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NPIC/TSSG/RED/SDB-023-70
21 May 1970

MEMORANDUM FOR THE RECORD

SUBJECT: High Precision Stereo Comparator Program

1. The HPSC Coordinating Group met on 18 May 1970.

In attendance were [redacted] IEG/PHD; [redacted]
[redacted] PSG/AID; [redacted] TSSG/APSD; [redacted]
TSSG/RED.

2. The following items were discussed:

a. The environmental black box has been delayed in shipment and has not arrived at the [redacted] plant as of 18 May.

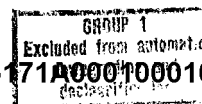
b. The optical system will be shipped on 21 May instead of 19 May. This delay is caused by the [redacted] They must inspect each package and crate after packing and prior to final sealing.

c. The acceptance tests on the correlation system at [redacted] are going very well. The testing is complete and the data is being run through a computer. This should be completed on 20 May. [redacted] test engineer, reports that the area pull-in range of the correlator is much better than was anticipated.

d. [redacted] project manager, returned from [redacted] on 15 May 1970.

e. PHD stated that limiting the upper zoom range to 25X - 200X instead of 20X - 200X does not appear to create a serious problem since there is adequate coverage in the 10X to 100X range.

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25X1
25X1

f. [] has informed the project monitor that [] storage area has been approved for operational material.

25X1

g. PHD is in the process of selecting operational material for use in the pre-acceptance tests at []. During the discussion of this material, it was suggested that it might be advantageous to get this material out to [] by early August. It could be used by [] in debugging his programs and also by NPIC programmers in their on-the-training in mid-August.

25X1
25X1

h. AID stated that they expect to have the stereo program on-line by the first of October. This will be ready when we need it for the HPSC checkout the latter part of October.

25X1
25X1

i. The project monitor had a telephone conversation with [] on 18 May. Mr. [] stated that the optical tests had gone very well and the only problem areas were in range of reticle adjustment, 2.5 to 1 instead of 4 to 1 (previously reported); vignetting at 20X in the higher zoom range (previously reported) but overcome by limiting the zoom from 25X to 200X; and that distortion had also exceeded the specification at the same 20X point. [] gave the following results from the distortion tests at []. The specification calls for no more than $\pm 2\%$ of the edge and $\pm 1\%$ at 2/3 of field.

25X1

25X1

Magnification	2/3	Edge
20	+1.55%	+3.25%
31	± 1.0	± 2.0
37	± 0.8	± 1.5
40	± 0.7	± 1.3
50	± 0.45	± 0.8
63	± 0.4	± 0.6

Distortion tests on the eyepiece alone produced the following figures. The eyepiece is 18mm in diameter.

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Center	0 %
1mm	0
2mm	0
3mm	+0.13
4mm	+0.2
5mm	+0.3
6mm	+0.39
7mm	+0.5
8mm	+0.6

j. The project monitor pressed [] on getting the operating manuals and test plan in on schedule. He was not very optimistic about meeting the schedule. The main holdup is in getting a good technical writer to put these items together. [] claims to have interviewed many writers but could not find a satisfactory type. There has not been any progress on the operating manuals since January. [] reports that [] was required by contract to provide [] with a test plan prior to the optical acceptance tests but failed to deliver. [] put together his own test plan at []

25X1

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k. AID requested that [] be included in the on-the-job programmer training at [] This is tentatively scheduled to start 12 August for a two-week period.

25X1
25X1

l. [] as notified [] that the Change-in-Scope to add an additional 16K memory to the 516 computer has been approved. [] will have to provide an additional half size cabinet to house this additional memory. Logistics will have to make provisions for this cabinet to be located in close proximity to the regular computer cabinet. Logistics will have to provide air ducts in the Clean Room to cool this added cabinet.

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[]

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Technical Monitor

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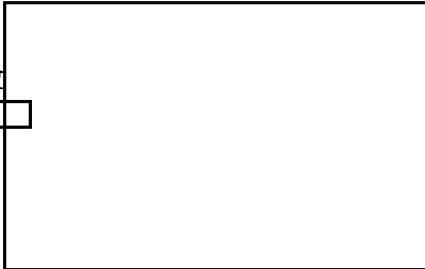
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Distribution:

Original - 11038 File

- 2 - IEG/PHD
- 2 - PSG/AID
- 1 - TSSG/APSI
- 1 - PPBS ☐
- 1 - TSSG/SSD
- 1 - TSSG/RED
- 1 - TSSG/ESD
- 1 - TSSG/ESD



25X1

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